

## CLAIMS

1. A method for sensing a temperature change in an environment, the method comprising:

5 introducing into the environment an image sensor having an image sensing module;

sensing the dark current noise of the image sensing module;

obtaining a dark current data sample; and

comparing a dark current data sample to a previous sample.

2. A system for sensing a temperature change in an environment comprising:

10 an image sensor;

an integrating unit; and

a change detector;

said image sensor being introduced into an environment; and

15 said integrating unit receiving dark current noise samples from the image sensor, and said change detector detecting changes between dark current noise samples.

3. A method for sensing a temperature change in an environment, the method comprising:

20 introducing into the environment an image sensor;

sensing the dark current noise of the image sensor;

obtaining a dark current data sample; and  
determining a change in temperature.

4. A device for sensing a temperature change in an environment, the device comprising:

5 an image sensor;

a controller to accept the dark current noise of the image sensor, to obtain a dark current data sample, and to determine a change in temperature.